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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/482,926	01/14/2000	Jae Joung Beom	046-0658P-SP	7693
75	90 03/11/2004		EXAMI	NER
Birch Stewar Kolasch & Birch			LY, ANH	
P O Box 747 Falls Church, V	/A 22040-0747		ART UNIT	PAPER NUMBER
			2172	16
			DATE MAILED: 03/11/2004	, ,

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

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Office Action Summary		Application No.	Applicant(s)			
		09/482,926	BEOM, JAE JOUNG			
		Examiner	Art Unit			
		Anh Ly	2172			
	The MAILING DATE of this communication app	ears on the cover sheet with the o	orrespondence address			
Period fo	•	/ IS SET TO EVOIDE 2 MONTH	'S) EDOM			
THE - External after of the control	MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1.13 of SIX (6) MONTHS from the mailing date of this communication. It is serious for reply specified above is less than thirty (30) days, a reply operiod for reply is specified above, the maximum statutory period we use to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing led patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tired within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed rs will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status	•					
1)⊠	Responsive to communication(s) filed on 24 September 2003.					
2a)⊠	☐ This action is FINAL . 2b)☐ This action is non-final.					
3)[Since this application is in condition for allowar					
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.			
Disposit	ion of Claims					
4)⊠	4)⊠ Claim(s) <u>1-20</u> is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)	5) Claim(s) is/are allowed.					
6)⊠	Claim(s) <u>1-20</u> is/are rejected.		•			
7)	Claim(s) is/are objected to.					
8)[Claim(s) are subject to restriction and/o	r election requirement.				
Applicat	ion Papers					
9)[The specification is objected to by the Examine	r.				
10)[The drawing(s) filed on is/are: a) acc	epted or b) objected to by the	Examiner.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)[The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority	under 35 U.S.C. § 119	•				
12)	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).			
	☐ All b)☐ Some * c)☐ None of:		, (-, (,			
	1. Certified copies of the priority documents	s have been received.				
	2. Certified copies of the priority documents	s have been received in Applicat	ion No			
	3. Copies of the certified copies of the prior	rity documents have been receive	ed in this National Stage			
	application from the International Bureau	ı (PCT Rule 17.2(a)).				
* (See the attached detailed Office action for a list	of the certified copies not receive	ed.			
Attachmer	nt(s)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
	2)					
	er No(s)/Mail Date	6) Other:				

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 09/24/2003 have been fully considered but they are not persuasive.

Applicant argued that, "not multiple table IDs and multiple version IDs as required by independent claim 1."

Yuzawa of 6,549,528 teaches multiple table IDs via the processes for the transponders as the table IDs to be checked or acquired from the received as shown in fig. 6 and fig. 8, col. 10, lines 28-35 and lines 61-67 and col. 11, lines 22-42). Also Yuzawa teaches the comparison with multiple version IDs (col. 11, lines 61-65, line 28-42; also see col. 8, lines 11-38).

.Applicant argued that, "nowhere discloses comparing a table ID of a present section with the table IDs stored in the memory, and comparing the version number of the present section with the stored version number." (Page 10, lines 12-14).

Yuzawa and Anderson et al. (hereinafter Anderson) of 6,229,801 teach the table IDs are stored in the memory under data table from which they are compared (Anderson - col. 6, lines 30-48 and col. 11, lines 51-67; also see abstract); and comparing the present section version number with the stored version number (Yuzawa – col. 11, lines 40-65; also see col. 8, lines 12-38, col. 9, lines 22-38 and col. 10, lines 1-10 and see abstract).

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Thus, The arguments are not persuasive over the prior arts of record.

- 2. Claims 15-20 have been added.
- 3. Claims 1-20 re pending in this application.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1-2 and 6-7, 10-14, 15, 16 and 20 are rejected under 35 U.S.C. 102(e) as being anticipated by 6,549,528 issued to Yuzawa in view of US Patent No. 6,229,801 issued to Anderson et al. (hereinafter Anderson).

With respect to claim 1, Yuzawa discloses a memory for storing table IDs and version numbers of sections for each of the table IDs, a combination of at least one of the sections forming a table which added information defines (a data stream for transmitting program data including table ID, version number: see fig. 4 and fig. 5 and col. 7, lines 30-31 and col. 9, lines 7-11); a comparing unit for determining matching of a table ID included in a present section with the table IDs stored in the memory upon reception of the present section, and comparing the version number of the matched

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table ID to the version number of a received section number (by a unit controller, the version Ids are compared, both ID are come from two different memory: stored ID (acquired ID) and at present ID: col. 11, lines 40-42 and lines 50-60; also see fig. 8).

As to the limitation, "a section processing unit for receiving and processing the present section if it is determined that the version number stored in the matched table ID is not the same as the version number of the present section," Yuzawa does not explicitly indicate the receiving and processing the present section.

However, Anderson discloses checking the each table section as received (col. 12, lines 55-67).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

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With respect to claim 2, Yuzawa discloses wherein the section processing unit skips the section received at the present time if it is determined at the comparing unit that no table IDs match, or if the version number stored in the matched table ID is the same as the version number of the received section (col. 11, lines 60-65).

With respect to claim 6, Yuzawa discloses (1) upon reception of a present section, determining matching of the table ID included in the present section with the table IDs stored in the memory; (2) if it is determined in the step (1) that the table IDs match, determining whether the version number included in the received section is the same as the version number stored in a version memory of the table ID (a data stream for transmitting program data including table ID, version number: see fig. 4 and fig. 5 and col. 7, lines 30-31 and col. 9, lines 7-11; by a unit controller, the version Ids are compared, both ID are come from two different memory: stored ID (acquired ID) and at present ID: col. 11, lines 40-42 and lines 50-60; also see fig. 8).

As to the limitation, "if it is determined in the step (2) that the two version numbers are not the same, receiving and processing the present section," Yuzawa does not explicitly indicate the two versions are not the same.

However, Anderson discloses checking the each table section as received to increment the version numbers (col. 11, lines 55-67; col. 40-45).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the

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version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claim 7, Yuzawa discloses skipping the section received at the present time if it is determined in the step (1) that there are no table IDs matched, or if it is determined in the step (2) that the two version numbers are the same (col. 11, lines 60-65).

With respect to claim 10, Yuzawa discloses a method as discussed in claim 6.

As to the limitation, "determining starting of the received section with reference to a pointer field if a payload-syntax-indicator is `1' in a transport packet before the step of determining matching of the table ID included in the section and the table IDs stored in the memory," Yuzawa does not explicitly indicate the payload.

However, Anderson discloses payload layer (col. 2, lines 9-67, col. 7, lines 15-32 and col. 9, lines 5-22).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings

of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claims 11-12, Yuzawa discloses a method as discussed in claim 6.

As to the limitations "determining starting of another section if the next data is not OxFF after the present section comes to an end before the step of determining matching of the table ID included in the section and the table IDs stored in the memory; and further includes the step of automatically updating a version value stored in the version memory with a new version number upon reception of a section having the new version," Yuzawa does not explicitly indicate the next data is not 0XFF and a new version number upon reception of a section having the new version.

However, Anderson discloses the next data and the new version number having new version number (col. 6, lines 30-48, col. 9, lines 5-66 and col. 11, lines 26-67).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claim 13, Yuzawa discloses a device for filtering as discussed in claim 1.

As to the limitation, "wherein the section processing unit stores the present section if it is determined that the version number stored in the matched table ID is not the same as the version number of the present section," Yuzawa does not explicitly indicate the not the same as the version number of the present section.

However, Anderson discloses checking the each table section as received (col. 12, lines 55-67).

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Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to the claim 14, Yuzawa discloses a method as claim 6.

As to the limitation, "wherein the step (3) includes the step of storing the present section if it is determined in the step (2) that the two version numbers are not the same," Yuzawa does not explicitly indicate the storing the present section number and the two version numbers are not the same.

However, Anderson discloses storing the present section number and two version numbers are not the same (col. 6, lines 30-48, col. 11, lines 51-67, col. 12, lines 51-64, col. 13, lines 1-67 and col. 14, lines 1-67; col. 5, lines 54-64).

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Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claim 15, Yuzawa discloses first means for storing table IDs and version numbers of sections for each of the table IDs, a combination of at least one of the sections forming a table which added information defines (a data stream for transmitting program data including table ID, version number: see fig. 4 and fig. 5 and col. 7, lines 30-31 and col. 9, lines 7-11); second means for determining matching of a table ID included in a present section with the table IDs stored in the first means upon reception of the present section, and comparing the version number of the matched table ID to the version number of a received section number (by a unit controller, the

version Ids are compared, both ID are come from two different memory: stored ID (acquired ID) and at present ID: col. 11, lines 40-42 and lines 50-60; also see fig. 8).

As to the limitation, "third means for receiving and processing the present section if it is determined that the version number stored in the matched table ID is not the same as the version number of the present section," Yuzawa does not explicitly indicate the receiving and processing the present section.

However, Anderson discloses checking the each table section as received (col. 12, lines 55-67).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claim 16, Yuzawa discloses wherein the third means skips the section received at the present time if it is determined at the second means that no table IDs match, or if the version number stored in the matched table ID is the same as the version number of the received section (col. 11, lines 60-65).

With respect to claim 20, Yuzawa discloses a device as discussed in claim 15.

As to the limitation, "if it is determined that the version number stored in the matched table ID is not the same as the -version number of the present section." Yuzawa does not explicitly indicate the two versions are not the same.

However, Anderson discloses checking the each table section as received to increment the version numbers (col. 11, lines 55-67; col. 40-45).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using

the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

6. Claims 3-5, 8-9, and 17, 18 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 6,549,528 issued to Yuzawa in view of US Patent No. 6,229,801 issued to Anderson et al. (hereinafter Anderson) and further in view of 6,134,554 issued to Freimann et al. (herein Freimann).

With respect to claim 3, Yuzawa in view of Anderson discloses a device for filtering added information as discussed in claim 1.

Yuzawa in view of Anderson does not explicitly indicate, "a new version number when a section with a new version is received."

However, Freimann discloses new version as claimed (col. 9, lines 21-67 and col. 10, lines 1-38).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa in view of Anderson with the teachings of Freimann so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table

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sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claims 4-5, Yuzawa in view of Anderson discloses a device for filtering added information as discussed in claim 1.

Yuzawa in view of Anderson does not explicitly indicate, "mask enables the version number of the section if it is determined that the table is completed."

However, Freimann discloses bit stream as well as mask bits processing as claimed (see fig. 4 and figs 9A and 9B, col. 6, lines 6-67, col. 9, lines 30-67, col. 10, lines 1-67 and col. 11, lines 1-52).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa in view of Anderson with the teachings of Freimann so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means

for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claims 8-9, Yuzawa in view of Anderson discloses a device for filtering added information as discussed in claim 6.

Yuzawa in view of Anderson does not explicitly indicate, "(6) mask enabling the version number of the present section if it is determined in the (5) step that the table is completed."

However, Freimann discloses bit stream as well as mask bits processing as claimed (see fig. 4 and figs 9A and 9B, col. 6, lines 6-67, col. 9, lines 30-67, col. 10, lines 1-67 and col. 11, lines 1-52).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa in view of Anderson with the teachings of Freimann so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker

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identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claim 17, Yuzawa in view of Anderson discloses a device for filtering added information as discussed in claim 15.

Yuzawa in view of Anderson does not explicitly indicate, "a new version number when a section with a new version is received."

However, Freimann discloses new version as claimed (col. 9, lines 21-67 and col. 10, lines 1-38).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa in view of Anderson with the teachings of Freimann so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

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With respect to claims 18-19, Yuzawa in view of Anderson discloses a device for filtering added information as discussed in claim 15.

Yuzawa in view of Anderson does not explicitly indicate, "mask enables the version number of the section if it is determined that the table is completed."

However, Freimann discloses bit stream as well as mask bits processing as claimed (see fig. 4 and figs 9A and 9B, col. 6, lines 6-67, col. 9, lines 30-67, col. 10, lines 1-67 and col. 11, lines 1-52).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa in view of Anderson with the teachings of Freimann so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Contact Information

8. Any inquiry concerning this communication should be directed to Anh Ly whose telephone number is (703) 306-4527 or ANH.LY@USPTO.GOV. The examiner can be reached on Monday – Friday from 8:00 AM to 4:00 PM.

If attempts to reach the examiner are unsuccessful, see the examiner's supervisor, John Breene, can be reached on (703) 305-9790.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to: (703) 872-9306 (Central Official Fax Number)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (receptionist).

Inquiries of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

MAR. 9th. 2004

JEANW. CORRIELUS PRIMARY EXAMINER

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